



FRONT PAGE VIEW
TRUCK ALIGNMENT SYSTEM

Henry Rohrig

818-761-3628

818-489-2049

For: 22.5" / 24.5" Wheel Size Truck – Buses and Trailers

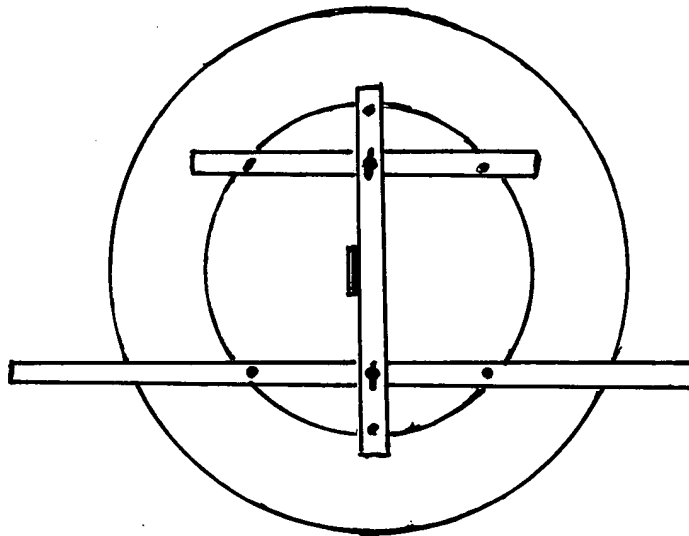
P.O. Box 2159 Toluca Lake, Ca. 91610

Application # 10/607,019

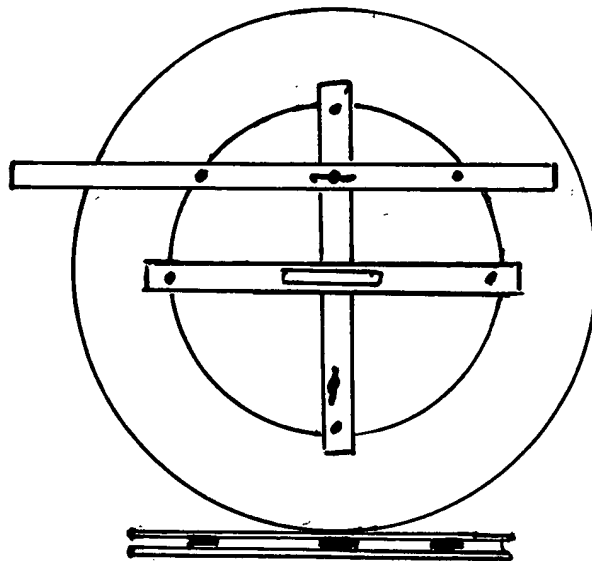
Confirmation # 8161

Patent #

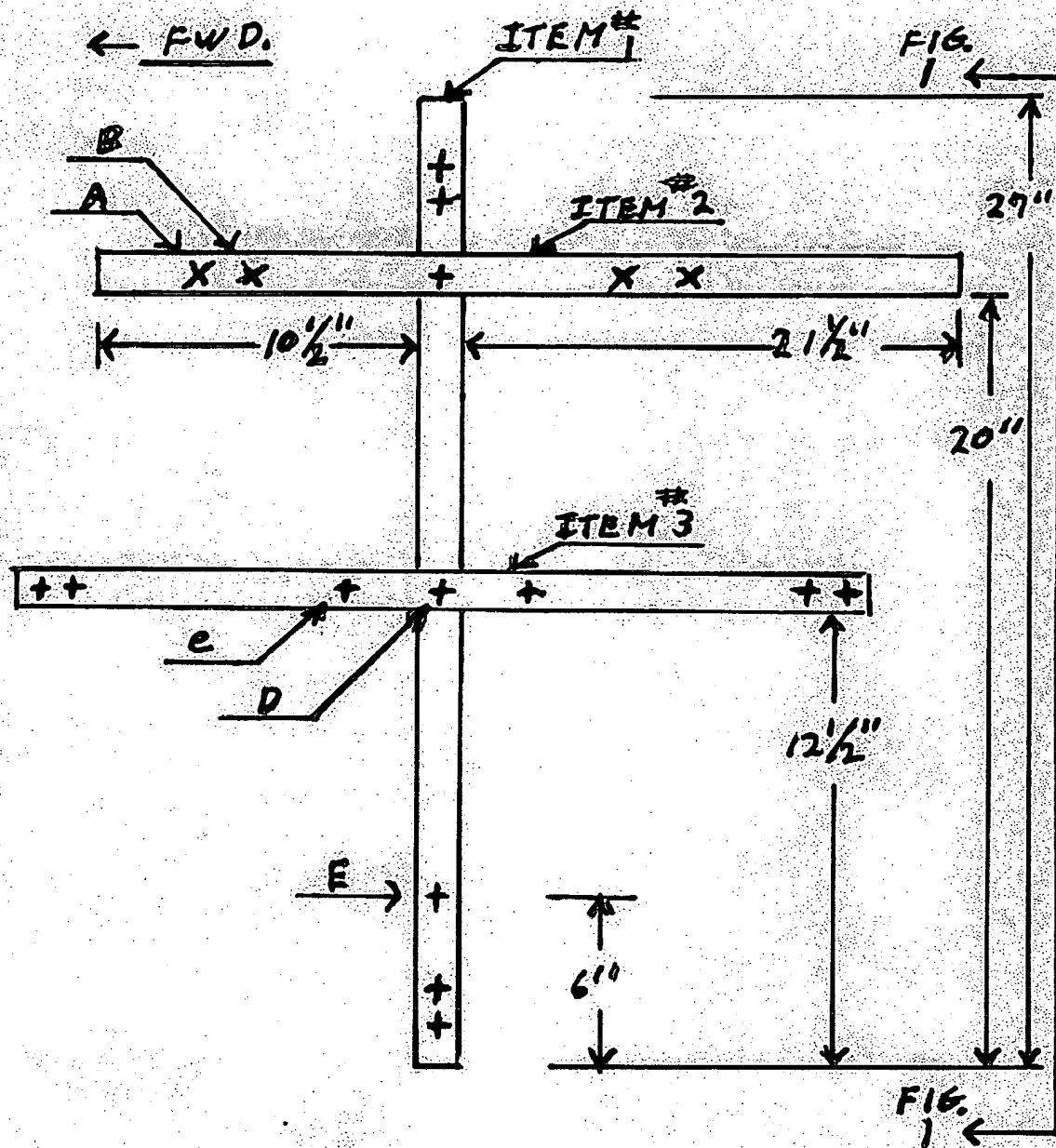
Filing date: 06/25/2003



ALIGNMENT UNIT INSTALLED ON STEERING AXLE



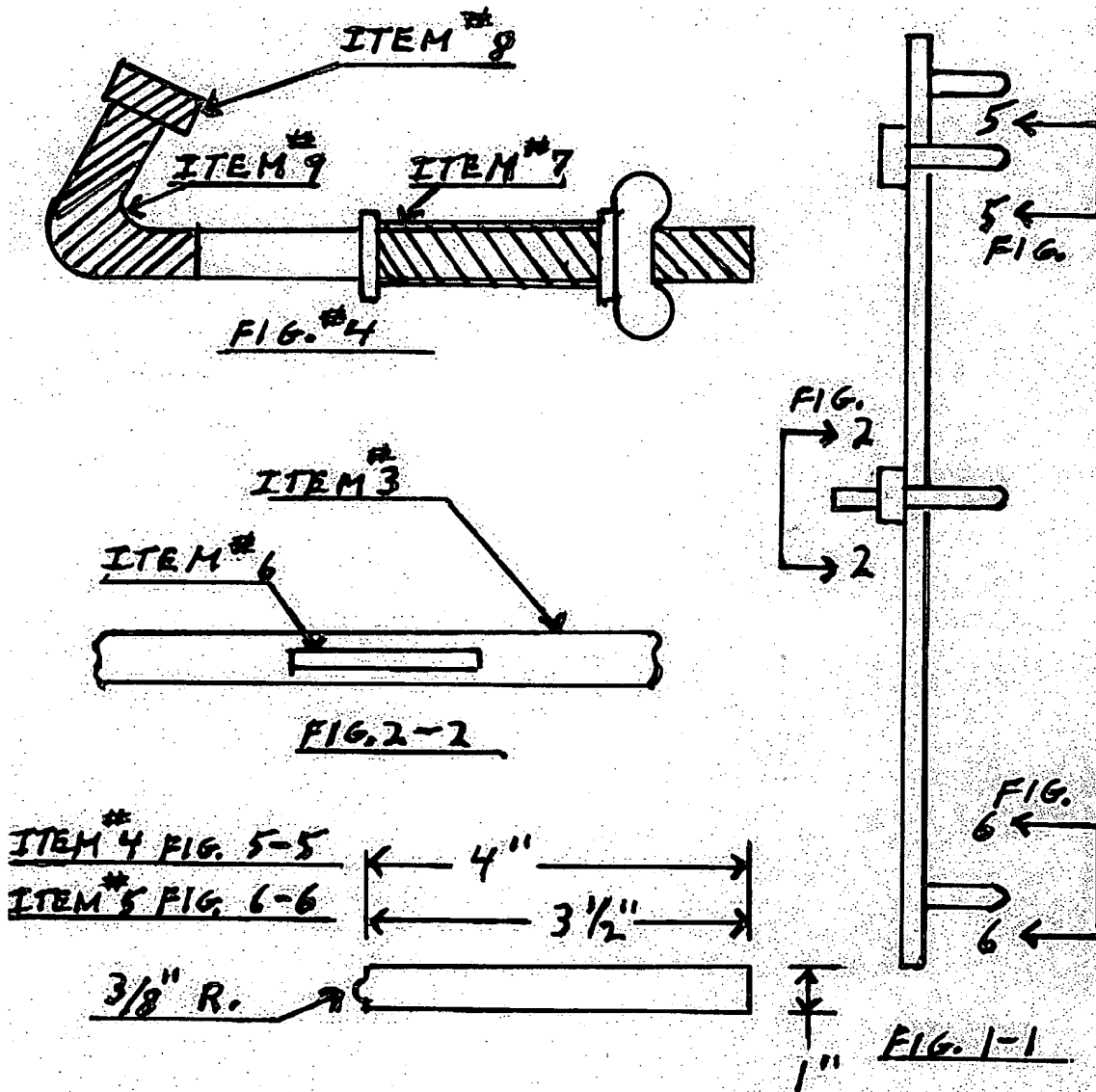
ALIGNMENT UNIT INSTALLED ON DRIVE AXLE
RESTING ON ROLLER PLATES



Drawing # 101 Drive axle unit

Part # 857 Driver Side Shown

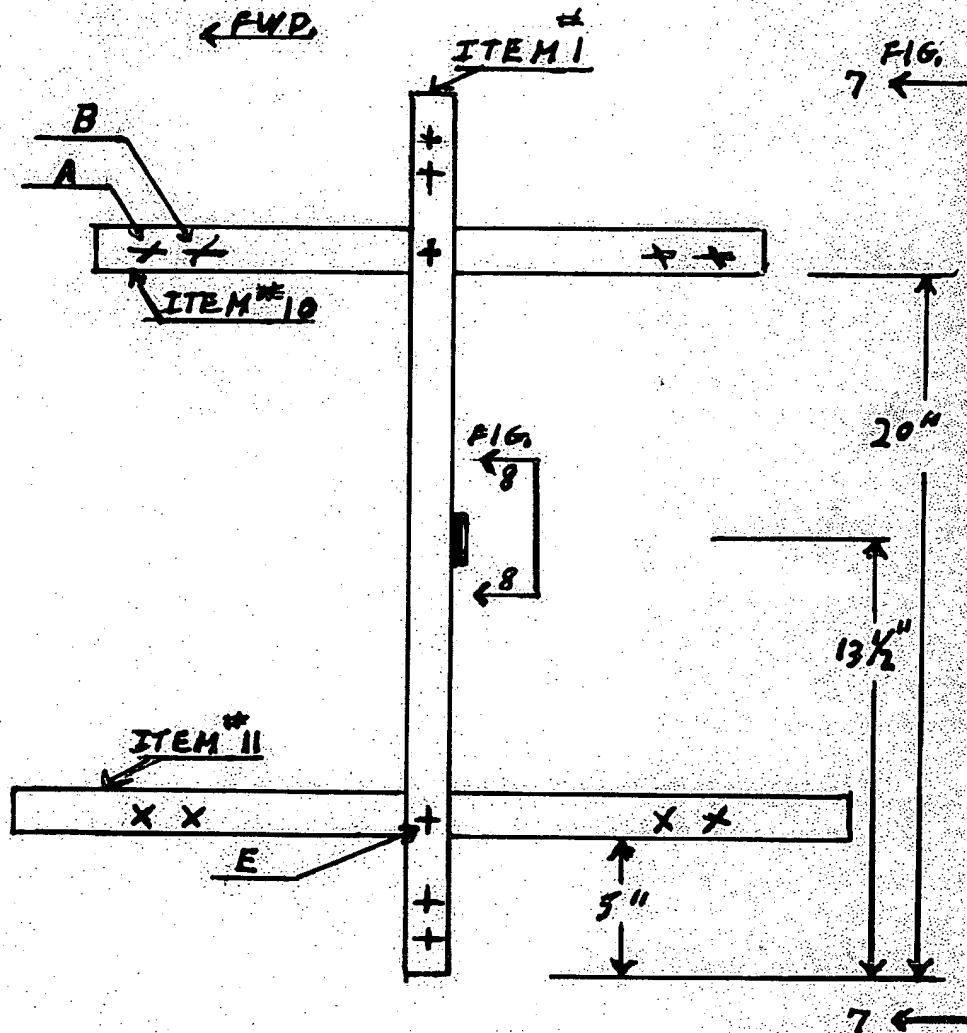
Part # 856 Passenger Side Opposite



Drawing # 102 Drive Axle Unit Part # 857 / Part # 856

Figure 1-1 Rotated 90 Degrees

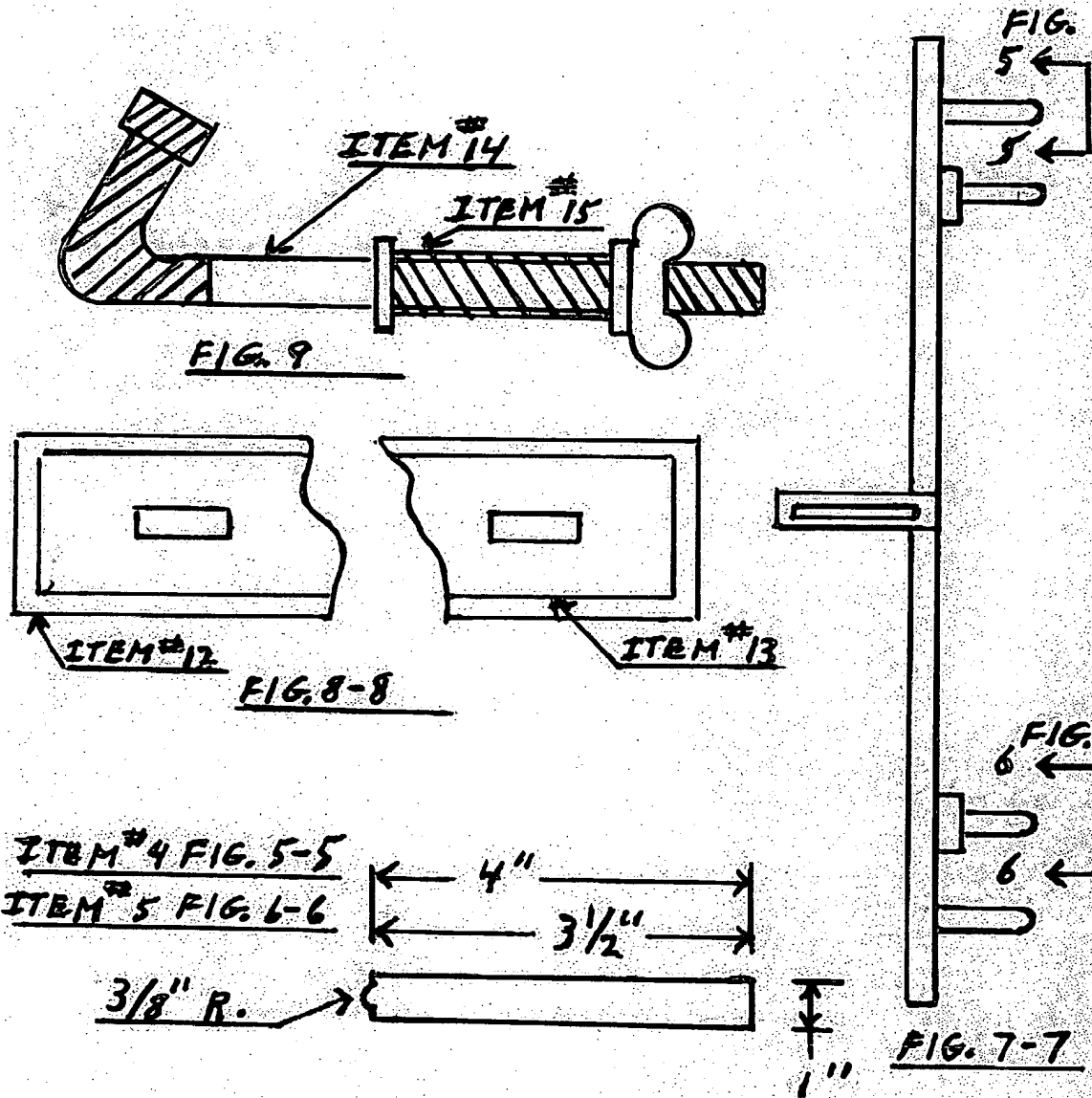
Steering Unit for 22.5" / 24.5" wheel size also used on Busses



Drawing # 103 Steering Axle Unit

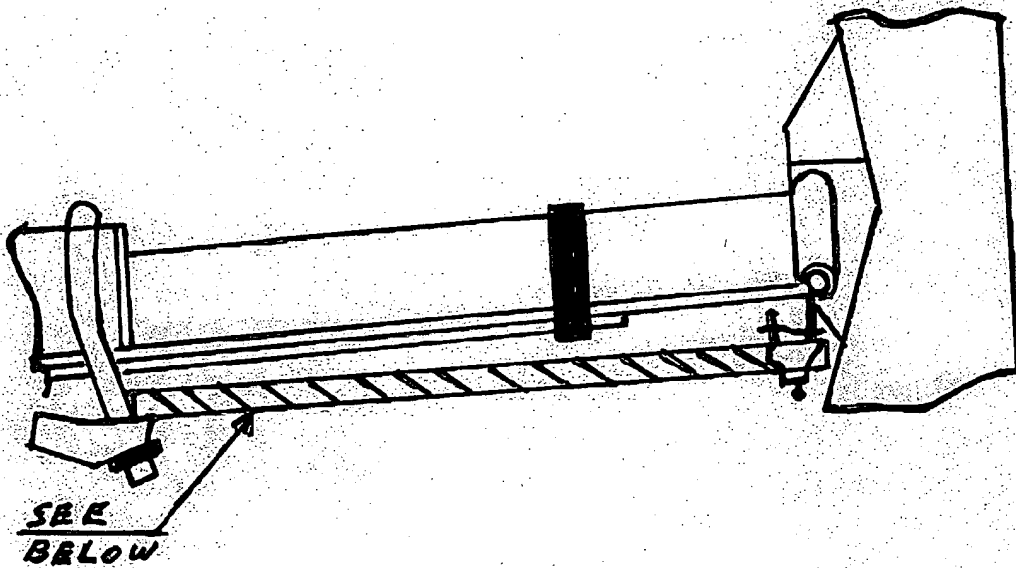
Part # 859 Driver side shown

Part # 858 Passenger side opposite

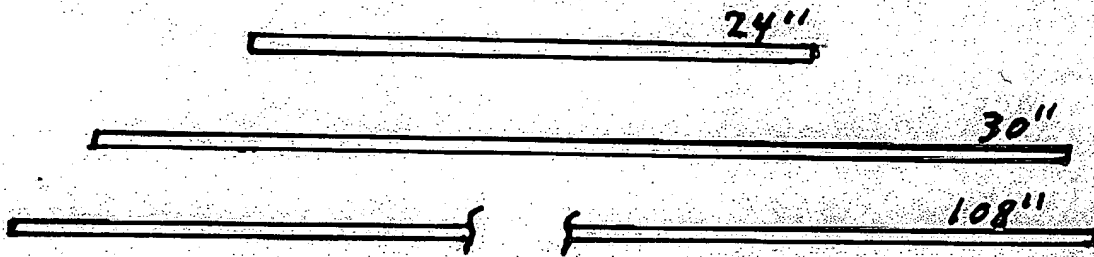


Drawing # 104 Steering Axle Unit

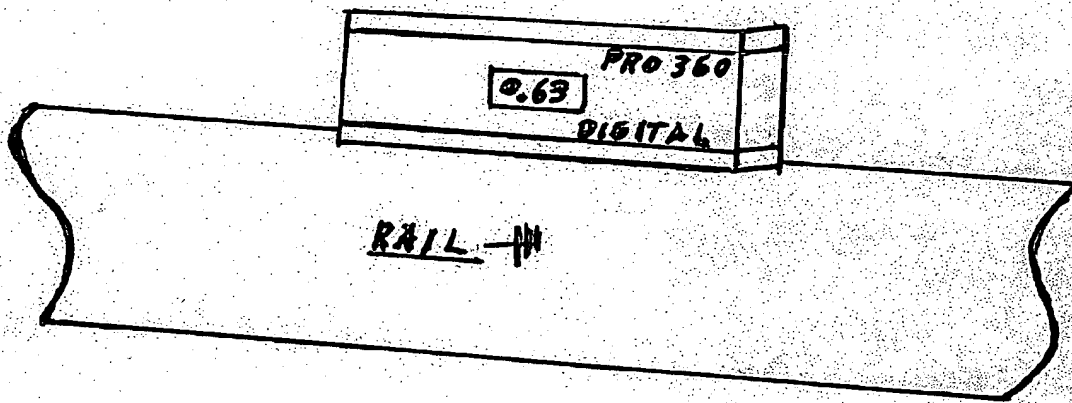
Figure 7-7 Rotated 90 degrees



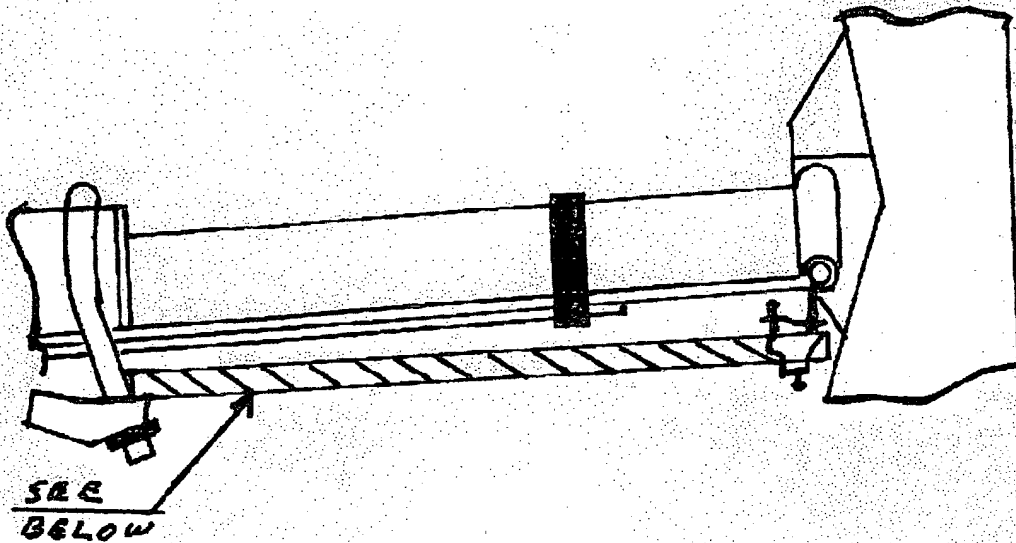
Drawing # 105 CHECKING SPRING BUSHING TO "U" BOLT



Drawing # 106
TRAMMEL BARS USED FOR THE ALIGNMENT



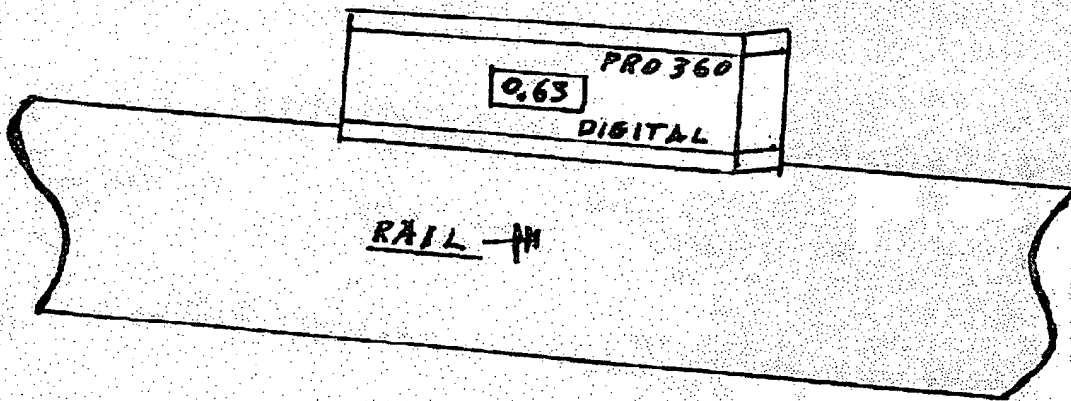
Drawing # 107 CHECKING ANGLE OF FRAME RAIL



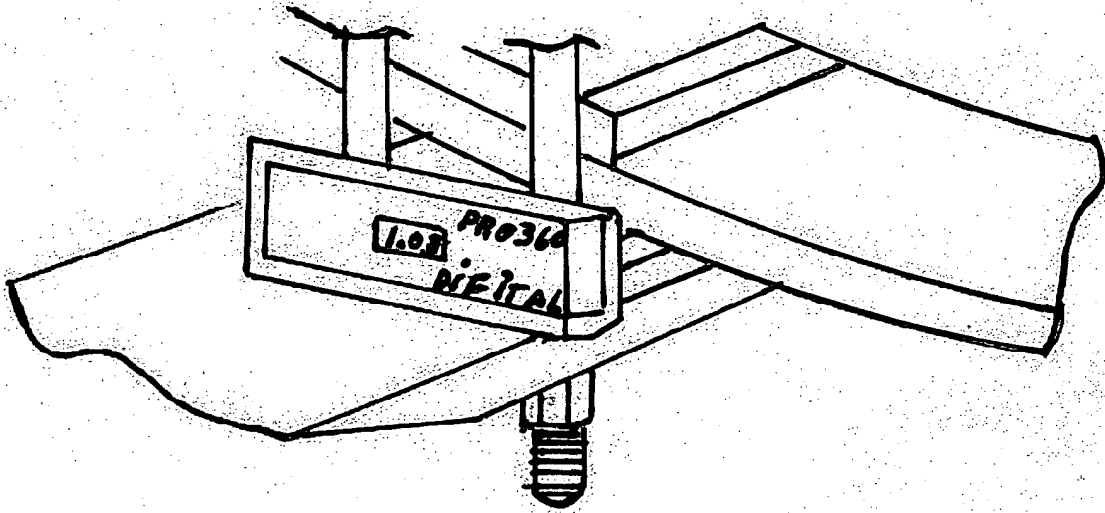
Drawing # 105 CHECKING SPRING BUSHING TO "U" BOLT



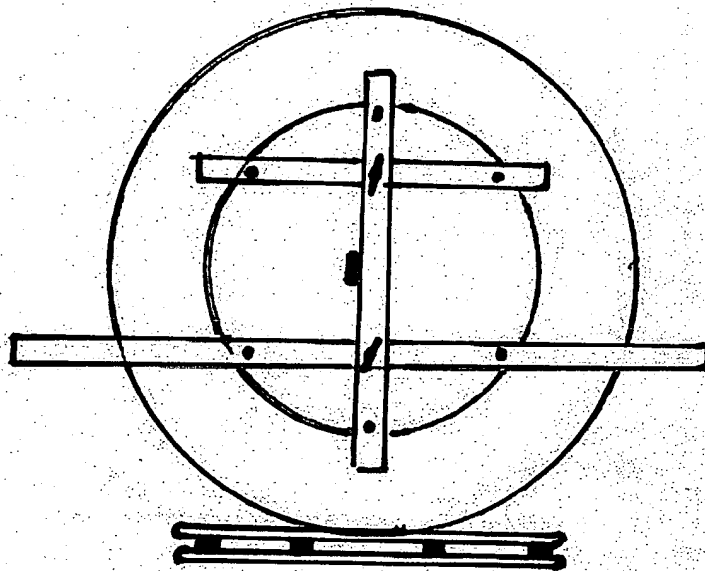
Drawing # 106
TRAMMEL BARS USED FOR THE ALIGNMENT



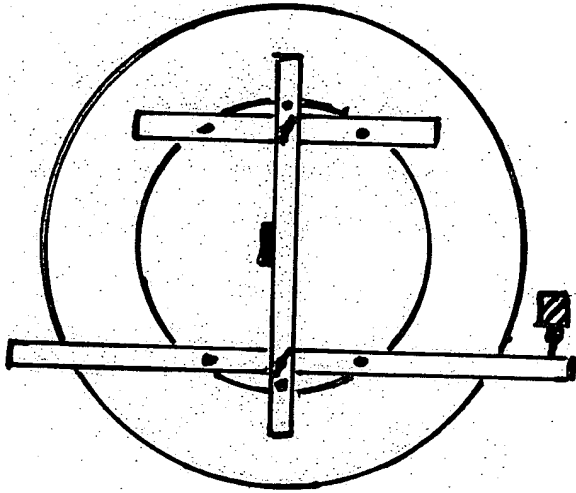
Drawing # 107 CHECKING ANGLE OF FRAME RAIL



Drawing # 108 CHECKING ANGLE ON AXLE SPRING PAD

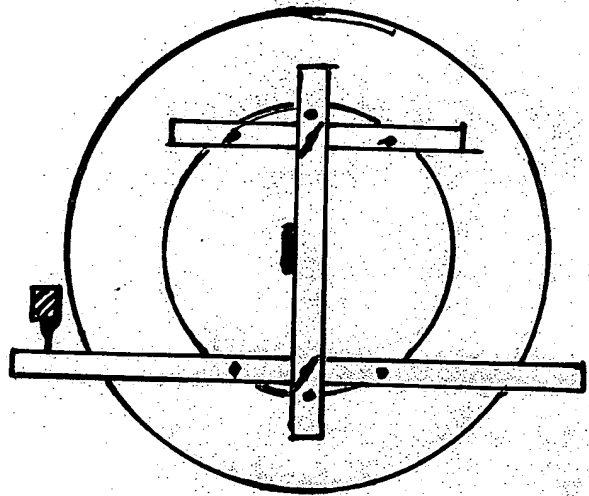


Drawing # 109 STEERING AXLE ON ROLLER PLATES WITH ALIGNMENT UNIT

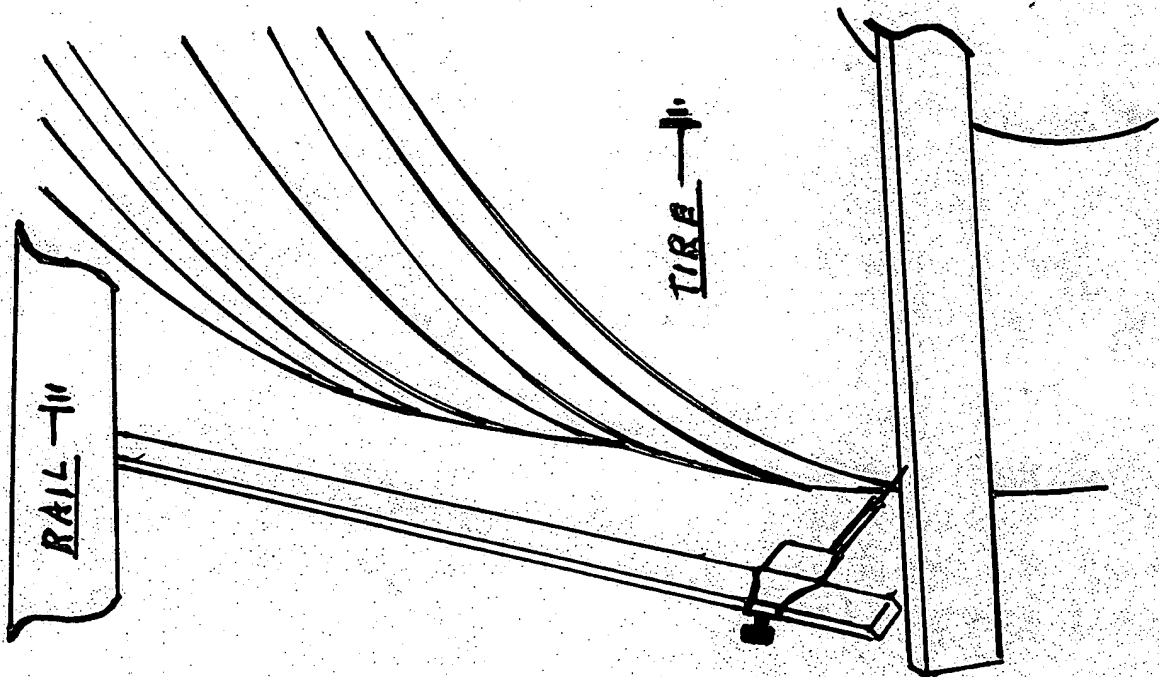


Drawing # 110 TOE-IN VIEW
IN FRONT OF WHEELS

STEERING AXLE

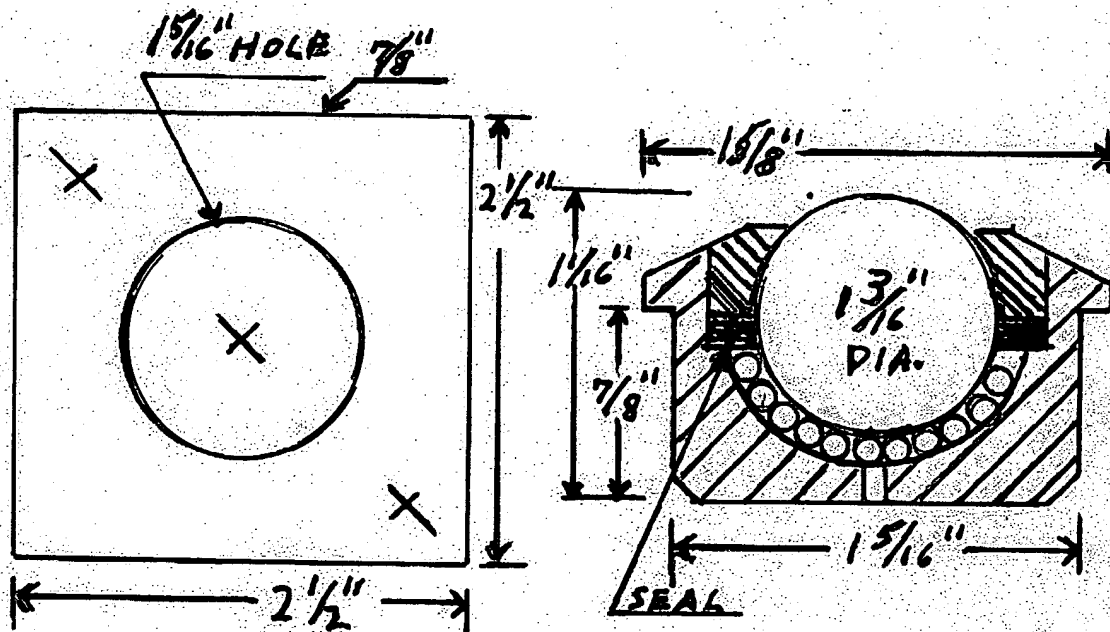


Drawing # 111 TOE-IN VIEW
IN BACK OF WHEELS

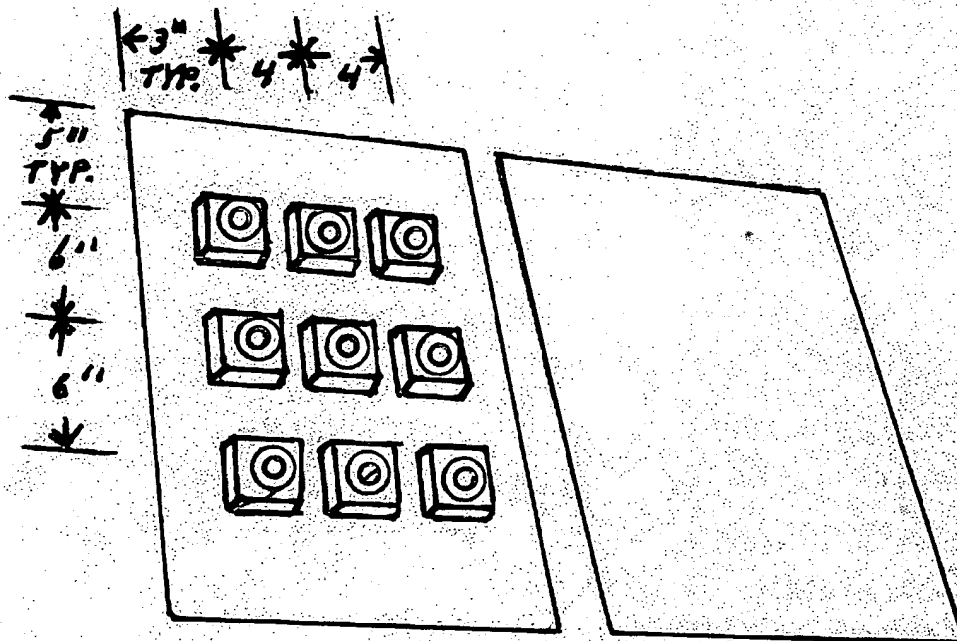


Drawing # 112 REAR DRIVE UNIT TO OUTSIDE OF RAIL MEASUREMENT

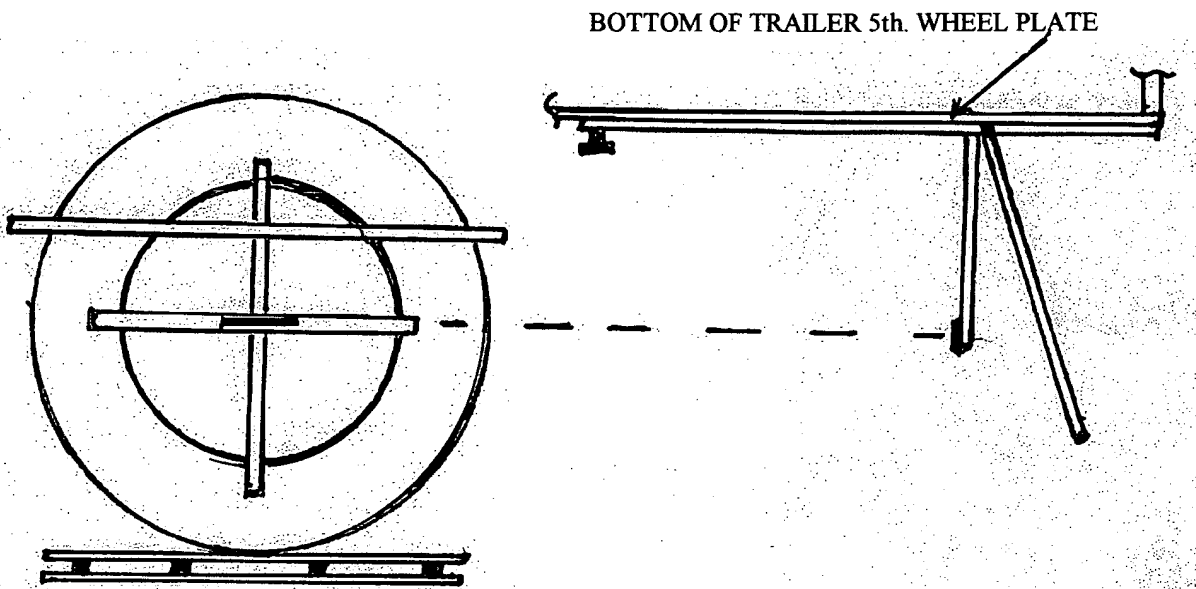
Roller plates two units top and bottom plates part # 863



Drawing # 115
BALL TRANSFER UNIT



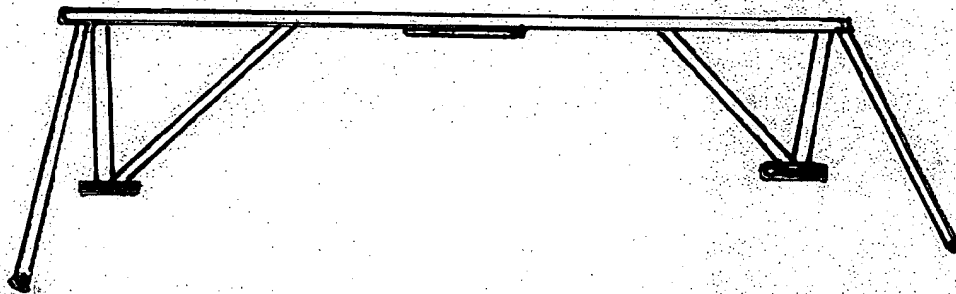
Drawing # 114 ROLLER PLATE ASSEMBLY PART # 863



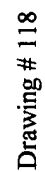
Drawing # 116

REAR TRAILER AXLE WITH
ALIGNMENT UNIT ON ROLLER PLATES

KING PIN ALIGNMENT UNIT IN PLACE



Drawing # 117 Part # 860
KING PIN TRAILER ALIGNMENT UNIT
Details see drawing # 118 and # 119



TEST ALIGN DIAL

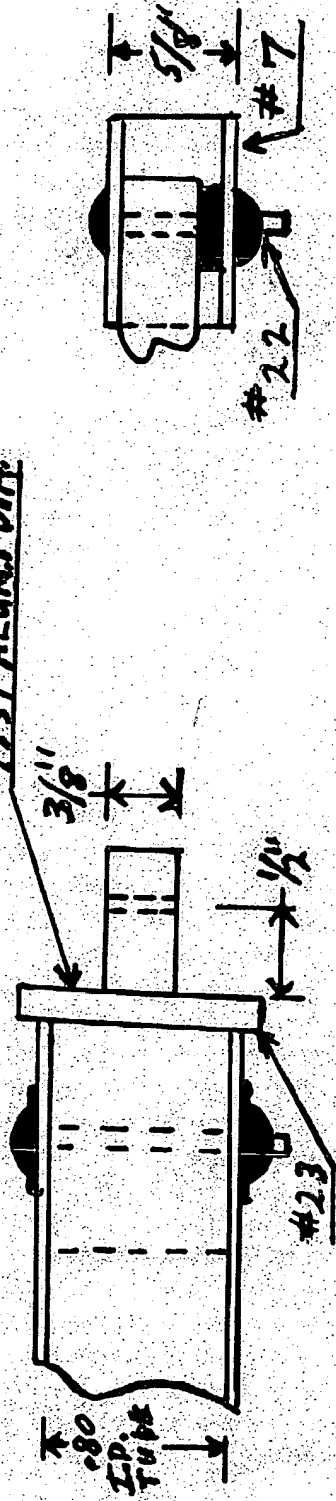
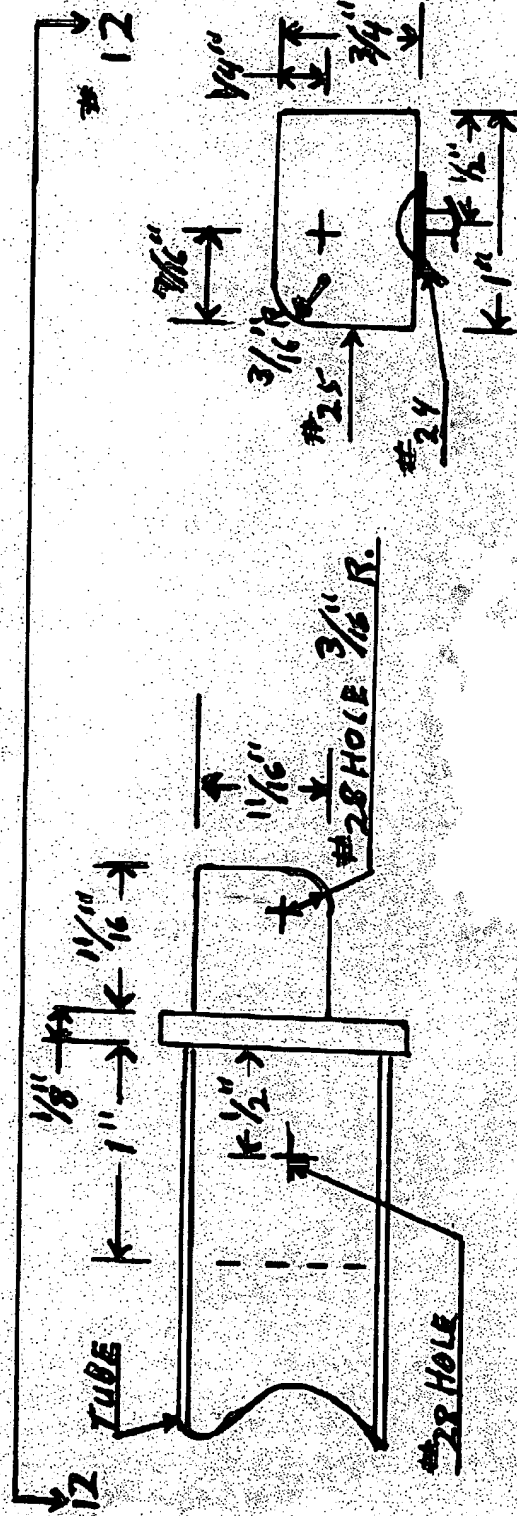


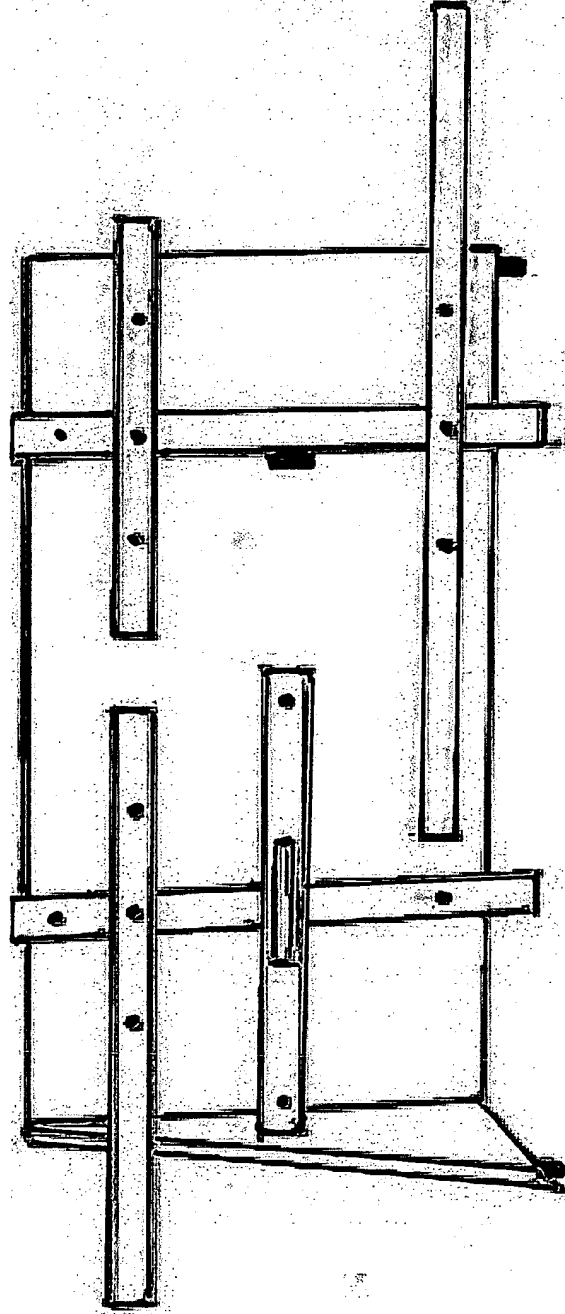
FIGURE 12-12



HINGE ON TOP OF LEG
FIGURE # 11
DRAWING # 119

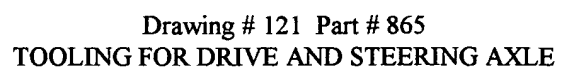
Sheet # 12 of # 14

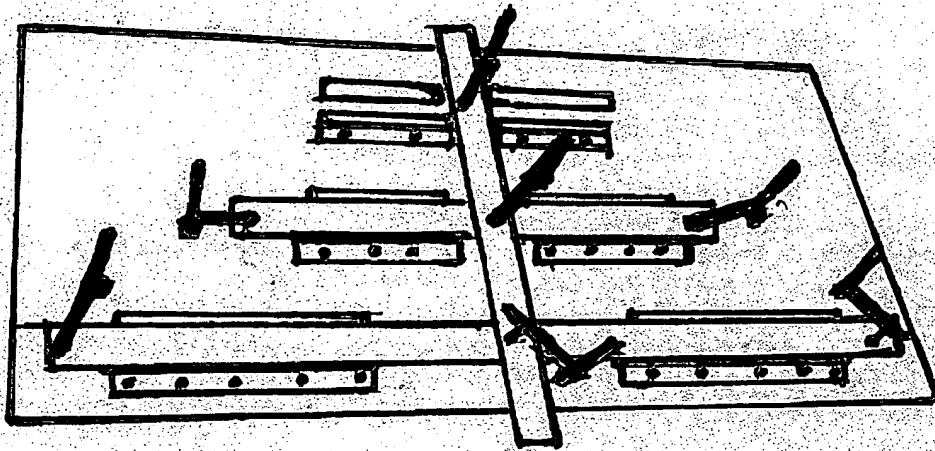
Henry Rohrig Truck Alignment System Tooling Jig to calibrate alignment unit part # 865



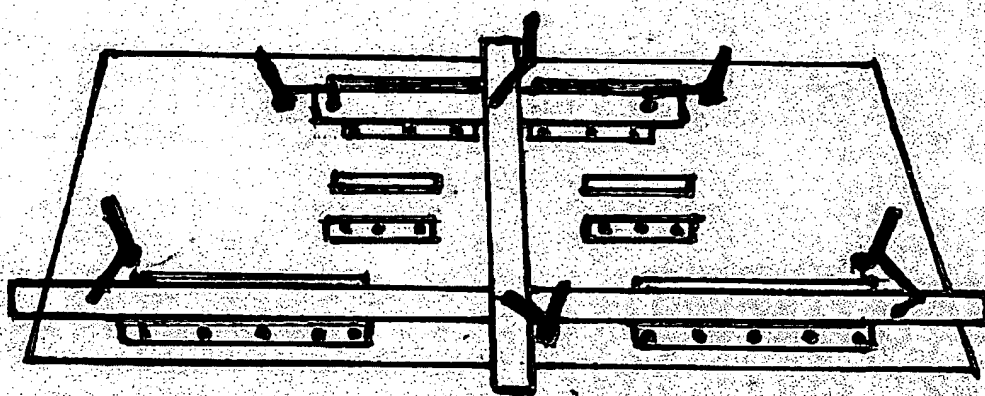
TOOLING JIG TO CALIBRATE ALIGNMENT UNITS
UNITS INSTALLED Details see drawing # 121

Drawing # 120





Drawing # 122 DRIVE AXLE UNIT "set up"
Jig for Manufacturing Units Part # 866



Drawing # 123 STEERING AXLE UNIT "set up"
Jig for Manufacturing Units Part # 866
Same jig using different location for parts